

In the Claims

1-12. (Cancelled)

13. **(Currently Amended)** A method for propagating information in a network comprising:

automatically assigning ~~[[a]]~~ **an index** number to an interface;

automatically transmitting said **index** number on said interface; **and**

automatically transmitting said **index** number on at least one additional interface~~[[; and]]~~
~~,~~ wherein

said interface and said one additional interface are interfaces among a plurality of
 interfaces in a circuit switch,

said interface is configured to be coupled to a link,

said circuit switch is configured to store a table, and

said table comprises

an entry indicating a function of said link, and

an entry indicating a predetermined number of contiguous frames

that may be transmitted over said link.

14. **(Currently Amended)** The method of claim 13 further comprising the act of automatically transmitting said **index** number on all enabled interfaces in said circuit switch.

15. (Original) The method of claim 13 wherein said interface and said one additional interface conform to a protocol selected from a group consisting of Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH).

16. **(Currently Amended)** The method of claim 13 further comprising:

storing said **index** number in ~~a first said~~ table ~~in a network element including said~~
~~circuit switch; and~~ , wherein

at least another network element in ~~[[the]]~~ **said** network ~~stores~~ **is configured to**
store said **index** number in ~~a second~~ **another** table.

17. **(Currently Amended)** A network comprising:
a first circuit switch having a first interface, the first interface having assigned thereto a first identifier;
a second circuit switch having a second interface, the second interface having assigned thereto a second identifier;
a plurality of memory locations in said first circuit switch containing a first table, the first table including each of said first identifier and said second identifier;
a plurality of memory locations in said second circuit switch containing a second table, **[[the]] said** second table including each of said first identifier and said second identifier; and
a link coupling said first interface to said second interface, **wherein**
said first table and said second table each comprise
an entry indicating a function of said link, and
an entry indicating a predetermined number of contiguous frames
that may be transmitted over said link.
18. (Original) The network of claim 17 wherein **[[the]] said** link includes a fiber optic cable.
19. (Original) The network of claim 17 wherein said first circuit switch and said second circuit switch use a protocol selected from a group consisting of Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH).
- 20-26. **(Cancelled)**
27. **(Currently Amended)** An article of manufacture comprising:
a computer readable medium **containing comprising** a computer readable program code for propagating information in a network, said computer readable program code in said article of manufacture **further** comprising**[[:]**
computer readable program code for automatically assigning **[[a]] an index** to an interface;

computer readable program code for automatically transmitting said number on
said interface; **and**
computer readable program code for automatically transmitting said number on at
least one additional interface{**;** **and**} , wherein
said interface and said one additional interface are interfaces among a
plurality of interfaces in a circuit switch,
said interface is configured to be coupled to a link,
said circuit switch is configured to store a table, and
said table comprises
an entry indicating a function of said link, and
an entry indicating a predetermined number of contiguous
frames that may be transmitted over said link.

28. (New) The method of claim 13 wherein
said at least one additional interface is configured to be coupled to another link,
said circuit switch is configured to store another table, and
said another table comprises
another entry indicating a function of said link, and
another entry indicating a predetermined number of contiguous frames that may
be transmitted over said another link.

29. (New) The method of claim 27 wherein
said at least one additional interface is configured to be coupled to another link,
said circuit switch is configured to store another table, and
said another table comprises
another entry indicating a function of said link, and
another entry indicating a predetermined number of contiguous frames that may
be transmitted over said another link.